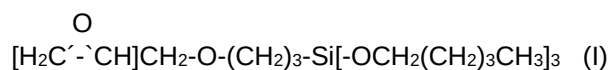
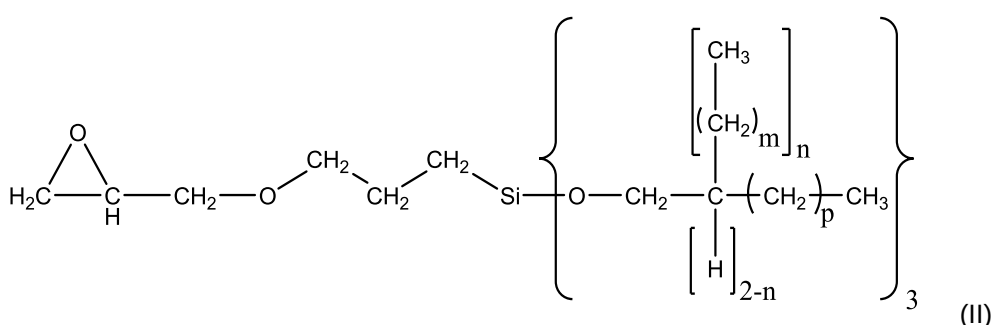


Abstract**3-Glycidyloxypropyltrialkoxysilanes having long-chain alkoxy groups, processes for production and use**

The present invention relates to the novel compound 3-glycidyloxypropyltri(-2-propylheptoxy)-silane per se. The invention further provides a process for producing a 3-glycidyloxypropyl-trialkoxysilane having long-chain alkoxy groups of general formula (I)



or
of general formula (II)



with $m = 1$ or 2 , $n = 0$ or 1 , $p = 3, 4, 5, 6, 7, 8, 9$ or 10 , in particular 3-glycidyloxypropyltri(-2-ethylhexoxy)silane and 3-glycidyloxypropyltri(-2-propylheptoxy)silane, where

- 3-glycidyloxypropyltrimethoxysilane or 3-glycidyloxypropyltriethoxysilane, with a stoichiometric amount or an excess of a longer-chain alcohol from the group of the C5- to C16-alcohols,
- in the presence of titanium tetrabutoxide as catalyst,
- is heated with stirring to a temperature of not more than 225°C ,
- reacted, and
- following the reaction, methanol/ethanol and excess reactant alcohol, are removed from the product mixture by distillation, preferably under reduced pressure, and the product is obtained.

The present invention likewise relates to correspondingly obtainable products/compositions and to the use thereof for functionalization of rubber and to the use of the rubber in treads for reducing rolling resistance in tyres.